ABSTRACT OF THE DISCLOSURE

It is an object of the present invention to improve the diversity gain by conducting linear prediction of fading fluctuations and switching antennas. In order to attain this object, the diversity receiver in accordance with the present invention comprises a plurality of antennas for receiving wireless signals subjected to direct spread modulation, an antenna switch for conducting antenna connection switching thereof, a primary demodulator for demodulating the wireless signals and obtaining a spread spectrum signal, a matched filter for finding a correlation value of the spread spectrum signal and a spread code for demodulation, a mean value computation unit for finding a mean SNR of the received signal by converting the maximum correlation value to a value per 1 frame, an estimation unit for linear prediction of the SNR of the received signal based on the time series data of the mean SNR, and a level comparator for comparing the SNR of the received signal that was predicted by the estimation unit with a threshold value and outputting a control signal for conducting antenna switching to the antenna switch.